

C-4

ANNUAL REPORT OF OPERATIONS FOR YEAR <u>2017</u>			
Washington Hatchery Permit			
I. Facility Name: U.S. Fish and Wildlife Service Entiat National Fish Hatchery		RECEIVED	
		NPDES # WAG-130002	
Operator Name (Permittee): Entiat National Fish Hatchery		Phone: 509-784-1131	
Address: 6970 Fish Hatchery Drive Entiat, WA 98822		Fax: 509-784-2964	
		E-Mail: craig_chisam@fws.gov	
Owner Name (if different from operator): Department of the Interior, U.S. Fish and Wildlife Service		Phone:	
II. Annual Production:	Harvestable weight produced in the year <u>28,264</u> pounds		
III. Food Used:	Number of pounds of food fed to the fish During the maximum month: <u>4,487</u> pounds		
IV. Noncompliance Summary:			
Include description & dates of noncompliance (including spills), the reason for such an incident, and the steps taken to correct the problem. Attach additional pages, if necessary.			
No noncompliance events in 2017.			
V. Best Management Practices (BMP) Plan			
BMP Plan has been reviewed this year?		Yes (X)	No
BMP Plan fulfills the requirements set forth in the permit:		Yes (X)	No
Summarize changes in the BMP Plan since last annual report. Attach additional pages, if necessary.			
No changes made to the BMP Plan in 2017.			
VI. Solid Waste Disposal			
Type of Solid Waste	Method of Disposal	When	Where
Settling Basin Sand	Land fill	June and Nov. 2017	Hatchery Grounds
Adult Broodstock	County Landfill	Oct. 2017	County Landfill

USEPA REG



0000533

ICIS

1/19/18 JN

VII. Fish Mortalities

Include description & dates of mass mortalities (more than 5%/week), the reason for each incident, and the steps taken to correct the problem. Attach additional pages, if necessary. Include total mortalities from all causes.

Date	Cause of Deaths	Pounds of Fish
	N/A	

VIII. Chemical Usage (including drugs and pesticides)

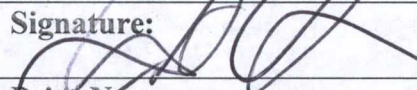
Date	Chemicals used, number of days used, maximum concentration in effluent	Yearly Total
7/19/17 - 12/29/17	Formalin; 29 days used at 167 parts per million, 33 days used at 1500 parts per million.	203 gallons
10/3/2017	Iodine (as Ovadine); 1 day used; 75 parts per million	2 gallons
As needed annually	Iodine, unbuffered hard surface disinfectant; used as needed; little to none in effluent	1 gallons
As needed annually	Virkon Aquatic disinfectant; used as needed; little to none in effluent	15 lbs. of base powder

IX. Inspections and Repairs for Production and Water Treatment Systems

Date Inspected	Date Repaired	Description of system inspected and/or repaired
Monthly		Wells 1-6 pumps; grease bearings, check avg. flow, and well drawdown

X. Signature & Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: 	Title/Company: Hatchery Manager, U.S. Fish & Wildlife Service
Print Name: Craig A. Chisam	Date: January 11, 2018